Data sheet | Item number: 2616-3107/020-000

PCB terminal block; operating lever; 16 mm²; Pin spacing 10 mm; 7-pole; Push-in CAGE CLAMP®

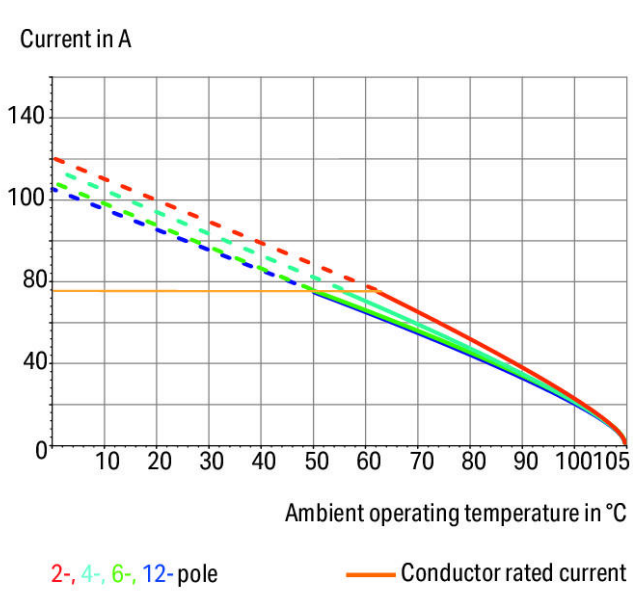
www.wago.com/2616-3107/020-000



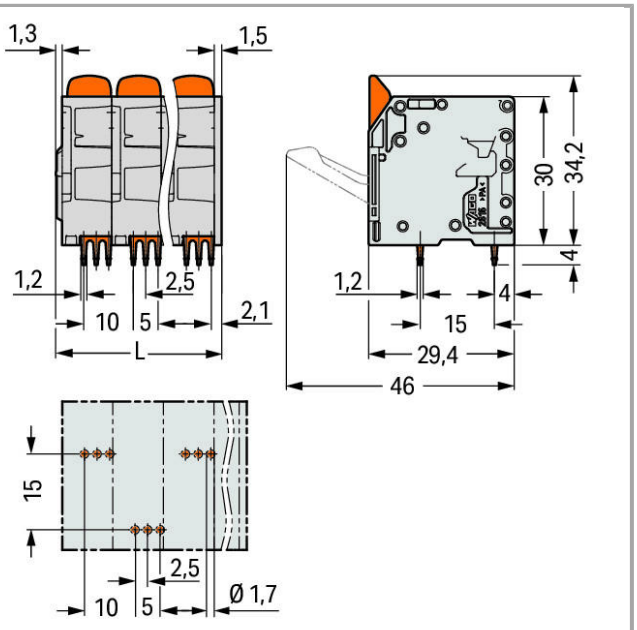
RoHS ✓ Compliant

BOMcheck.net

Color:



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L = (pole no. - 1) x pin spacing + 12.8 mm

Item description

- PCB terminal blocks with lever-actuated Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled conductors
- Intuitive and tool-free operation
- Several clamping units can be held open simultaneously – convenient for terminating multi-core cables
- Testing can be performed both parallel and perpendicular to conductor entry

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/: Direct marking, Other pole numbers

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	1000 V
Rated impulse voltage (III / 3)	8 kV
Rated voltage (III / 2)	1000 V
Rated impulse voltage (III / 2)	8 kV
Rated voltage (II / 2)	1000 V
Rated impulse voltage (II / 2)	8 kV
Rated current	76 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

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Approvals per UL 1059

Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	66 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	66 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Lever
Solid conductor	0.75 … 16 mm² / 18 … 4 AWG
Fine-stranded conductor	0.75 … 25 mm² / 18 … 4 AWG
Fine-stranded conductor with ferrule with plastic collar	0.75 … 16 mm²
Fine-stranded conductor with ferrule without plastic collar	0.75 … 16 mm²
Fine-stranded conductor, with twin ferrule	0.75 … 6 mm²
Strip length	18 … 20 mm / 0.71 … 0.79 Inch
Conductor entry angle to the PCB	90 °
No. of poles	7
Number of levels	1
Total number of connection points	7
Total number of potentials	7
Number of connection types	1

Geometrical Data

Pin spacing	10 mm (0.394 inch)
Width	72.8 mm / 2.866 inch
Height	38.2 mm / 1.504 inch
Height from the surface	34.2 mm / 1.346 inch
Depth	29.4 mm / 1.157 inch
Solder pin length	4 mm
Solder pin dimensions	1.2 x 1.2 mm
Drilled hole diameter (tolerance)	$1.7^{(+\,0.1)}$ mm

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire terminal strip, staggered
Number of solder pins per potential	3

Material Data

Color	gray

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Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (Ecu)
Contact plating	tin-plated
Actuating element color	orange
Weight	64.072 g

Environmental Requirements

Limit temperature range	-60 … +105 °C

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143707619

Approvals / Certificates

Country specific Approvals

Logo	Approval	Certificate name
	CB DEKRA Certification B.V.	NL-53125
	KEMA/KEUR DEKRA Certification B.V.	71-104771

UL-Approvals

Logo	Approval	Certificate name
	cURus Underwriters Laboratories Inc.	E45172

Compatible products

ferrule

	Item no.: 216-210 Ferrule; Sleeve for 16 mm² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/216-210
	Item no.: 216-284 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/216-284
	Item no.: 216-286	

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	Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/216-286
	**Item no.: 216-287** Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/216-287
	**Item no.: 216-288** Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/216-288
	**Item no.: 216-289** Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/216-289

Downloads

CAD files

PCB libraries

TARGET Library for WAGO PCB Terminal Blocks Compatible with TARGET PCB Design Software Version 17.x	1.1.0 Oct 6, 2014	ZIP 27.1 MB	Download
DesignSpark Library for WAGO PCB Terminal Blocks Compatible with DesignSpark PCB Version 4.x or higher	2.1 Oct 6, 2014	ZIP 22.5 MB	Download
EAGLE Library for WAGO PCB Terminal Blocks Compatible with EAGLE PCB Design Software Version 6.x or higher	2.1 Nov 17, 2017	ZIP 23.9 MB	Download

CAD data

3D Download 2616-3107/020-000		URL	Download

Subject to changes.

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Do you have any questions about our products?
We are always happy to take your call at {0}.

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